

## State Water Resources Control Board

### UST CASE CLOSURE SUMMARY

#### Agency Information

Current Agency Name: State Water Resources Control Board (State Water Board)	Address: 1001 I Street, P.O. Box 2231 Sacramento, CA 95812
Current Agency Caseworker: Mr. Matthew Cohen	Case No.: N/A

Former Agency Name: Los Angeles County Department of Public Works (Prior to 7/1/2013)	Address: 900 South Fremont Avenue Alhambra, CA 91803
Former Agency Caseworker: Mr. John Awujo	Case No.: TT010748-010703

#### Case Information

USTCF Claim No.: None	Global ID: T10000002819
Site Name: LA CO DPW Road MD4 Hollydale	Site Address: 11282 South Garfield Avenue Downey, CA 90242 (Site)
Responsible Party: Los Angeles County Attention: Mr. David MacGregor	Address: 900 South Fremont Avenue Alhambra, CA 91803
USTCF Expenditures to Date: N/A	Number of Years Case Open: 10

URL: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T10000002819](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000002819)

#### Summary

The Low-Threat Underground Storage Tank Case Closure Policy (Policy) contains general and media-specific criteria, and cases that meet those criteria are appropriate for closure pursuant to the Policy. This case meets all of the required criteria of the Policy.

The release at the Site was discovered in 2004 when minor concentrations of petroleum constituents were identified at two feet below ground surface (bgs) in the vicinity of a fuel dispenser during an underground storage tank (UST) upgrade. Additional soil samples taken at the time indicated that minor concentrations of petroleum hydrocarbons were also present at two feet beneath a waste oil UST which was removed and replaced at that time. The Site is operated as an active road maintenance and fueling facility.

Groundwater was not encountered during soil sampling to the maximum depth explored. Depth to water is reported to be approximately 40 to 43 feet bgs at the adjacent Rancho Los Amigos Hospital (South Campus) site.

LA CO DPW Road MD4 Hollydale  
11282 South Garfield Avenue, Downey, Los Angeles County

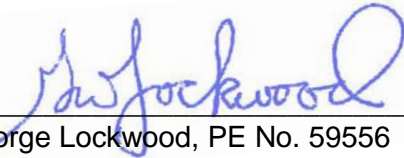
The nearest public supply well and surface water body are greater than 1,000 feet from the Site. Additional corrective action will not likely change the conceptual site model. Residual petroleum constituents pose a low risk to human health, safety, and the environment.

### Rationale for Closure under the Policy

- General Criteria – Site **MEETS ALL EIGHT GENERAL CRITERIA** under the Policy.
- Groundwater Media-Specific Criteria – Site releases **HAVE NOT LIKELY AFFECTED GROUNDWATER**. There are not sufficient mobile constituents (leachate, vapors, or light non-aqueous phase liquids) to cause groundwater to exceed the groundwater criteria in this Policy.
- Petroleum Vapor Intrusion to Indoor Air Criteria – Site meets **EXCEPTION**. Exposure to petroleum vapors associated with historical fuel system releases is comparatively insignificant relative to exposures from small surface spills and fugitive vapor releases that typically occur at active fueling facilities.
- Direct Contact and Outdoor Air Exposure Criteria – The case meets Policy **CRITERION 3 (a)**. Maximum concentrations of residual petroleum constituents in soil are less than or equal to those listed in Table 1. The estimated naphthalene concentrations are less than the thresholds in Table 1 of the Policy for direct contact. There are no soil sample results in the case record for naphthalene. However, the relative concentration of naphthalene in soil can be conservatively estimated using the published relative concentrations of naphthalene and benzene in gasoline. Taken from Potter and Simmons (1998), gasoline mixtures contain approximately 2% benzene and 0.25% naphthalene. Therefore, benzene concentrations can be used as a surrogate for naphthalene concentrations with a safety factor of eight. Benzene concentrations from the Site are below the naphthalene thresholds in Table 1 of the Policy. Therefore, estimated naphthalene concentrations meet the thresholds in Table 1 of the Policy criteria for direct contact with a safety factor of eight. It is highly unlikely that naphthalene concentrations in the soil, if any, exceed the threshold.

### Recommendation for Closure

The corrective action performed at this Site ensures the protection of human health, safety, and the environment, and is consistent with chapter 6.7 of the Health and Safety Code and implementing regulations, applicable state policies for water quality control, and the applicable water quality control plan, and case closure is recommended.



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Senior Water Resource Control Engineer

10/1/2014

Date

